

ABSTRACT OF THE DISCLOSURE

A Bluetooth private network comprises Bluetooth access points, each functioning as a base station in each of Bluetooth piconets, a gateway for functioning as an interface between a public network and the Bluetooth private network, sending a beacon signal to each of the

5 Bluetooth devices in local Bluetooth networks to locate the Bluetooth device and a router for functioning as an interface between each of said Bluetooth access points. The Bluetooth device has a power measuring device therein that measures output power signals of a plurality of Bluetooth access points. When the Bluetooth device is moving from one piconet to another, the Bluetooth device compares the power signals received from two Bluetooth access points and

10 links to the Bluetooth access point with the power signal that exceeds a predetermined level.